ELECTRONIC MONITORING
COMPLIANCE PROGRAM
Electronic Monitoring System / Observer Exemption
Criteria

Over Arching Regulation: 100% Human Observer Required
- In lieu of an observer applicant can seek an observer exemption using an EMS alternative

Application Elements
- Electronic Monitoring System (EMS) / Observer Exemption Application detailing how EMS criteria will be met
- Schematic and Description of Individual Vessel Monitoring Plan (IVMP)
  - IVMP unique for each vessel
  - Multiple IVMPs included if submitted by group of vessels
- Self-Governing Plan
  - Data Delivery and Analysis (DDA) specifications
  - submitted by either a group of vessels or an individual vessel

Electronic Monitoring System Application Elements
Specified in Regulation:
- Operational Information
- Data Sources
- EM Data Standards
- Self-Governing Plan Elements
- As appropriate, regulations may be specific or performance bases

Operational Information (not inclusive of all elements)
- Installation by certified EMS Provider
- EMS service provider responsibilities
- Data Confidentiality Standards
- Data Storage and Delivery Standards
- EMS Coverage Requirements
- Monitoring Requirements
- Vessel Responsibilities

Data Sources (not inclusive of all elements)
- Digital Camera(s)
- Winch Sensors
- Hydraulic Sensors
- Log Book
- VMS
- GPS

**EM Data Standards (not inclusive of all elements)**
- Secure Watertight Control Box Data Storage
- Encrypted Data
- Storage Standards
- Date and Time Stamp and Counter
- Digital File Format
- Minimum Frame Rate
- Minimum Resolution
- Accepted Delivery Methods
- Time Frames
- Color Optics
- Lighting Standards
- Power Supply Standards

**Self-Governing Plan Elements:**

*Group Self-Governing Agreement (not inclusive of all elements)*
- Comply with all Federal and State Regulations
- Retention / Discard Requirements
- Time and Area Restrictions
- Data Collection Equipment Criteria
- Data Collection Requirements
- Data Analysis Agreement Clause
- Discard Assessment Protocols and Procedures
- Vessel / Operator Performance Standards
- Vessel / Operator Responsibility
- **Compliance Criteria**
  - *By Example: escalation of consequences (to be defined by group)*
- **No Further use of Camera Use Alternative Criteria**
- Escape Clause

*Individual Self-Governing Agreement (not inclusive of all elements)*
- Comply with all Federal and State Regulations
- Retention / Discard Requirements
- Time and Area Restrictions
- Data Collection Equipment Criteria
- Data Collection Requirements
- Data Analysis Agreement Clause
- Discard Assessment Protocols and Procedures
- Vessel / Operator Performance Standards
- Vessel / Operator Responsibility
- **Compliance Criteria**
  - *By Example: fail to demonstrate compliance, vessel must use observer for rest of the year.*
- Escape Clause
**IVMP Details (not inclusive of all elements)**

- Tamper Resistant/Taper Evident
- Number and Location of Digital Cameras
- Lighting Locations
  - Stern, Deck, Discard Shoot, etc.
- Bridge Mounted Computer Interface/Monitors
- GPS Receiver
- Winch Sensors
- Hydraulic Pressure Transducers
- Power Supply / Backup
- Wire Runs
- Geo Fencing
  - NMFS supplied
- System’s Check Certification

**Data Delivery Standards (not inclusive of all elements)**

- Comply with all Federal and State Regulations
- DDA
- Data Accessibility
  - on the vessel and after delivery to analysis provider
- Data Retrieval
  - who, how often, delivery mechanism
- Means of ensuring forensically sound digital transfer to OLE

**Data Delivery and Analysis (DDA) Standards (not inclusive of all elements)**

- Comply with all Federal and State Regulations
- Maximum Retention (non selective discard) (example)
- Data Collection Equipment Criteria
- Data Collection Requirements
- Vessel / Operator Responsibility
- Video Audit (by example)
  - Percentage of review
  - Pass / Fail of Self-Reported Data
  - Discard Assessment Definitions/Protocols/Procedures
  - Scale for Assessing Deductions
- Vessel / Operator Performance Standards
- Escape Clause

**Flow Chart Explanation**

1. Electronic Monitoring System (EMS) Criteria is established by rule
2. Application Elements Established by Rule
3. Electronic Monitoring System Application inclusive of
   a. Operational Information
   b. Data Sources
   c. EM Data Standards, Self-Governing Plan
   d. completed and submitted to NMFS
i. by group (i.e. Coop, Risk Pool, Marketing Asso., Process Group),
ii. or individual vessel.

4. Application approved with issuance of an observer exemption or deemed incomplete by NMFS/SFD and returned to Applicant.

5. Applicant engages PSMFC per Data Delivery and Analysis Standards (DDA).

6. PSMFC conducts data analysis and delivers trip results to applicant per DDA.

7. Applicant notifies vessel of analysis results and takes actions as prescribed in the Self-Governing Plan Compliance Continuum.

8. Failure to act by the applicant as prescribed in Self Governing Agreement results suspension/revocation of Observer exemption.

9. Vessel must carry observer during IFQ trips.